

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
3 May 2001 (03.05.2001)

PCT

(10) International Publication Number  
**WO 01/30309 A1**

(51) International Patent Classification<sup>7</sup>: A61K 7/02

(21) International Application Number: PCT/EP00/09646

(22) International Filing Date:  
29 September 2000 (29.09.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/161.439 26 October 1999 (26.10.1999) US

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 01/30309 A1

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(54) Title: NON-GREASY MAKE-UP REMOVER

(57) Abstract: A make-up remover which has high efficacy yet low greasiness, contains a combination of two make-up removal ingredients: (i) mineral oil and/or wax and (ii) isoparaffin, wherein the second ingredient (ii) boosts the make-up removal capacity of the first ingredient, thus allowing to decrease the level of mineral oil and/or wax in the composition, which in turn results in decreased greasiness of the composition.

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## NON-GREASY MAKE-UP REMOVER

The invention relates to non-greasy cosmetic composition with  
5 effective make-up removal properties.

Removing mascara, lipstick, and other make-up from the face  
is a daily task for many women. The modern trend is to make  
mascara and lipstick that is resistant to rub-off or  
10 moisture, hence increasing the challenge of make-up removal.  
An oil-based mascara is one of the most difficult types of  
make-up to remove.

Currently, one of the most popular cosmetic products to  
15 remove make-up is the so-called "cold cream." Cold cream  
is applied to the skin like a regular cream; the slight  
massaging during application results in the solubilization  
of make-up and other impurities from the skin into the  
cream, which is subsequently wiped-off using a cotton ball  
20 or a tissue. Cold creams contain a high level of oil (i.e.,  
as much as 50% mineral oil). Oil is very effective for make-  
up removal, because most make-up products are oil-based and  
thus dissolve or bind to oil. Unfortunately, high levels of  
oil also result in a poor acceptability from consumers due  
25 to the high level of greasiness/oiliness imparted by the  
product.

It is highly desirable to obtain a make-up remover which has  
high efficacy yet low greasiness.

30

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The present invention includes a cosmetic make-up removal composition comprising:

- (i) less than about 50% of a first make-up removing ingredient selected from the group consisting of waxes, mineral oil and mixtures thereof,
- (ii) an isoparaffin as a second make-up removing ingredient; and
- (iii) a cosmetically acceptable vehicle.

- 10 The inventive compositions contain a combination of two make-up removal ingredients, wherein the second ingredient (ii) boosts the make-up removal capacity of the first ingredient, thus allowing to decrease the content of mineral oil and/or wax in the composition, which in turn result in
- 15 decreased greasiness of the composition.

- Except in the operating and comparative examples, or where otherwise explicitly indicated, all numbers in this description indicating amounts of material or conditions of
- 20 reaction, physical properties of materials and/or use are to be understood as modified by the word "about." All amounts are by weight of the oil-in-water emulsion, unless otherwise specified.

- 25 The term "skin" as used herein includes the skin on the face, neck, chest, back, arms, hands, legs and scalp.

- For the avoidance of doubt the word "comprising" is intended to mean including but not necessarily consisting of or
- 30 composed of. In other words, the listed steps or options need not be exhaustive.

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The inventive compositions contain a first make-up removal ingredient, which is mineral oil, alone or in combination with waxes, such as ceresine wax and paraffin wax. Mineral oil and/or wax is a greasy material. In the present invention, by virtue of the inclusion of an isopaffin, the content mineral oil and/or wax is minimised to below 50%. Preferably, in order to minimise greasiness, yet to maintain efficacy, mineral oil and/or wax is employed in an amount ranging from 10 to 49%, more preferably the amount is in the range of from 10 to 40%, most preferably 10 to 30%, and optimally from 15 to 25%.

The second make-up removal ingredient included in the present invention is an isoparaffin. According to the present invention, isoparaffins enhance make-up removing capacity of mineral oil and/or wax, without contributing to the greasiness of the final product. Isopaffins are branched aliphatic saturated hydrocarbon molecules. Isoparaffins within the scope of this invention preferably contain from 7 and to 20 carbon atoms, more preferably from 10 to 20 carbons, most preferably from 11 to 16 carbons. Isoparaffin is generally included in the inventive compositions in an amount of at least 5%, preferably present in an amount of from 5% to 40%, more preferably from 5% to 20%, most preferably from 7% to 15%.

The compositions according to the invention also comprise a cosmetically acceptable vehicle to act as a dilutant, dispersant or carrier for the make-up removing ingredients in

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the composition, so as to facilitate their distribution when the composition is applied to the skin.

The vehicle may be aqueous, anhydrous or an emulsion.

- 5 Preferably, the compositions are aqueous or an emulsion, especially water-in-oil or oil-in-water emulsion, preferentially oil in water emulsion. Water when present will be in amounts which may range from 5 to 99%, preferably from 20 to 70%, optimally between 40 and 70% by weight.

10

- Besides water, relatively volatile solvents may also serve as carriers within compositions of the present invention. Most preferred are monohydric C<sub>1</sub>-C<sub>3</sub> alkanols. These include ethyl alcohol, methyl alcohol and isopropyl alcohol. The amount of  
15 monohydric alkanol may range from 1 to 70%, preferably from 10 to 50%, optimally between 15 to 40% by weight.

- Emollient materials may also serve as cosmetically acceptable carriers. These may be in the form of silicone oils and  
20 synthetic esters. Amounts of the emollients may range anywhere from 0.1 to 50%, preferably between 1 and 20% by weight.

- Silicone oils may be divided into the volatile and  
25 non-volatile variety. The term "volatile" as used herein refers to those materials which have a measurable vapour pressure at ambient temperature. Volatile silicone oils are preferably chosen from cyclic or linear polydimethylsiloxanes containing from 3 to 9, preferably from 4 to 5, silicon  
30 atoms. Linear volatile silicone materials generally have viscosities less than about 5 centistokes at 25°C while

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cyclic materials typically have viscosities of less than about 10 centistokes. Nonvolatile silicone oils useful as an emollient material include polyalkyl siloxanes, polyalkylaryl siloxanes and polyether siloxane copolymers. The essentially  
5 non-volatile polyalkyl siloxanes useful herein include, for example, polydimethyl siloxanes with viscosities of from about 5 to about 25 million centistokes at 25°C. Among the preferred non-volatile emollients useful in the present compositions are the polydimethyl siloxanes having  
10 viscosities from about 10 to about 400 centistokes at 25°C.

Among the suitable ester emollients are:

- 15 (1) Alkenyl or alkyl esters of fatty acids having 10 to 20 carbon atoms. Examples thereof include isoarachidyl neopentanoate, isononyl isononanoate, oleyl myristate, oleyl stearate, and oleyl oleate.
- 20 (2) Ether-esters such as fatty acid esters of ethoxylated fatty alcohols.
- 25 (3) Polyhydric alcohol esters. Ethylene glycol mono and di-fatty acid esters, diethylene glycol mono- and di-fatty acid esters, polyethylene glycol (200-6000) mono- and di-fatty acid esters, propylene glycol mono- and di-fatty acid esters, polypropylene glycol 2000 monooleate, polypropylene glycol 2000 monostearate, ethoxylated propylene glycol monostearate, glyceryl mono- and di-fatty  
30 acid esters, polyglycerol poly-fatty esters, ethoxylated glyceryl monostearate, 1,3-butylene

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glycol monostearate, 1,3-butylene glycol distearate, polyoxyethylene polyol fatty acid ester, sorbitan fatty acid esters, and polyoxyethylene sorbitan fatty acid esters are  
5 satisfactory polyhydric alcohol esters.

(4) Wax esters such as beeswax, spermaceti, myristyl  
- myristate, stearyl stearate and arachidyl behenate.

10 (5) Sterols esters, of which cholesterol fatty acid esters are examples thereof.

Fatty acids having from 10 to 30 carbon atoms may also be included as cosmetically acceptable carriers for compositions  
15 of this invention. Illustrative of this category are pelargonic, lauric, myristic, palmitic, stearic, isostearic, hydroxystearic, oleic, linoleic, ricinoleic, arachidic, behenic and erucic acids.

20 These emollients may have a MUR ability and therefor may be included as part of the MUR combination of ingredients.

Humectants of the polyhydric alcohol-type may also be employed as cosmetically acceptable carriers in compositions of this  
25 invention. The humectant aids in increasing the effectiveness of the emollient, reduces scaling, stimulates removal of built-up scale and improves skin feel. Typical polyhydric alcohols include glycerol, polyalkylene glycols and more preferably alkylene polyols and their derivatives, including  
30 propylene glycol, dipropylene glycol, polypropylene glycol, polyethylene glycol and derivatives thereof, sorbitol,

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hydroxypropyl sorbitol, hexylene glycol, 1,3-butylene glycol, 1,2,6-hexanetriol, ethoxylated glycerol, propoxylated glycerol and mixtures thereof. For best results the humectant is preferably propylene glycol or sodium hyaluronate. The amount  
5 of humectant may range anywhere from 0.5 to 30%, preferably between 1 and 15% by weight of the composition.

Thickeners may also be utilised as part of the cosmetically acceptable carrier of compositions according to the present  
10 invention. Typical thickeners include cross-linked acrylates (e.g. Carbopol 982), hydrophobically-modified acrylates (e.g. Carbopol 1382), cellulosic derivatives and natural gums. Among useful cellulosic derivatives are sodium  
15 carboxymethylcellulose, hydroxypropyl methylcellulose, hydroxypropyl cellulose, hydroxyethyl cellulose, ethyl cellulose and hydroxymethyl cellulose. Natural gums suitable for the present invention include guar, xanthan, sclerotium, carrageenan, pectin and combinations of these gums. Amounts of the thickener may range from 0.0001 to 5%, usually from  
20 0.001 to 1%, optimally from 0.01 to 0.5% by weight.

Collectively the water, solvents, silicones, esters, fatty acids, humectants and/or thickeners will constitute the cosmetically acceptable carrier in amounts from 1 to 99.9%,  
25 preferably from 80 to 99% by weight.



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Optional skin benefit materials and cosmetic adjuncts such as an oil or oily material may be present, together with an emulsifier to provide either a water-in-oil emulsion or an oil-in-water emulsion, depending largely on the average hydrophilic-lipophilic balance (HLB) of the emulsifier employed.

Surfactants may also be present in cosmetic compositions of the present invention. Total concentration of the surfactant will range from 0.1 to 40%, preferably from 1 to 20%, optimally from 1 to 5% by weight of the composition. The surfactant may be selected from the group consisting of anionic, nonionic, cationic and amphoteric actives.

Particularly preferred nonionic surfactants are those with a C<sub>10</sub>-C<sub>20</sub> fatty alcohol or acid hydrophobe condensed with from 2 to 100 moles of ethylene oxide or propylene oxide per mole of hydrophobe; C<sub>2</sub>-C<sub>10</sub> alkyl phenols condensed with from 2 to 20 moles of alkylene oxide; mono- and di- fatty acid esters of ethylene glycol; fatty acid monoglyceride; sorbitan, mono- and di- C<sub>8</sub>-C<sub>20</sub> fatty acids; block copolymers (ethylene oxide/propylene oxide); and polyoxyethylene sorbitan as well as combinations thereof. Alkyl polyglycosides and saccharide fatty amides (e.g. methyl gluconamides) are also suitable nonionic surfactants.

Preferred anionic surfactants include soap, alkyl ether sulfate and sulfonates, alkyl sulfates and sulfonates, alkylbenzene sulfonates, alkyl and dialkyl sulfosuccinates,

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C<sub>8</sub>-C<sub>20</sub> acyl isethionates, acyl glutamates, C<sub>8</sub>-C<sub>20</sub> alkyl ether phosphates and combinations thereof.

Various types of additional active ingredients may be present  
5 in cosmetic compositions of the present invention. Actives are defined as skin benefit agents other than emollients and other than ingredients that merely improve the physical characteristics of the composition. Although not limited to this category, general examples include additional anti-  
10 oxidants, anti-ageing ingredients and sunscreens.

Sunscreens include those materials commonly employed to block ultraviolet light. Illustrative compounds are the derivatives of PABA, cinnamate and salicylate. For example,  
15 avobenzophenone (Parsol 1789®) octyl methoxycinnamate and 2-hydroxy-4-methoxy benzophenone (also known as oxybenzone) can be used. Octyl methoxycinnamate and 2-hydroxy-4-methoxy benzophenone are commercially available under the trademarks, Parsol MCX and Benzophenone-3, respectively. The exact amount  
20 of sunscreen employed in the compositions can vary depending upon the degree of protection desired from the sun's UV radiation.

Many cosmetic compositions, especially those containing water,  
25 must be protected against the growth of potentially harmful microorganisms. Preservatives are, therefore, necessary. Suitable preservatives include alkyl esters of p-hydroxybenzoic acid, hydantoin derivatives, propionate salts, and a variety of quaternary ammonium compounds.  
30 Particularly preferred preservatives of this invention are methyl paraben, propyl paraben, phenoxyethanol and benzyl

- 10 -

alcohol. Preservatives will usually be employed in amounts ranging from about 0.1% to 2% by weight of the composition.

Powders may be incorporated into the cosmetic composition of the invention. These powders include chalk, talc, Fullers  
5 earth, kaolin, starch, smectites clays, chemically modified magnesium aluminum silicate, organically modified montmorillonite clay, hydrated aluminum silicate, fumed silica, aluminum starch octenyl succinate and mixtures  
10 thereof.

The composition according to the invention is intended primarily as a product for topical application to human skin, especially as an agent for removing make-up.

15

In use, a quantity of the composition such as for example from 1 to 100 ml is applied to exposed areas of the skin, from a suitable container or applicator and, if necessary, it is then spread over and/or rubbed into the skin using the hand or  
20 fingers or a suitable device.

The inventive compositions are particularly useful for removing all type of make up, such as lipstick, foundation, eyeliner, mascara, etc.

25

The cosmetic skin composition of the invention can be in any form, e.g. formulated as a gel, lotion, a fluid cream, or a cream. The composition can be packaged in a suitable container to suit its viscosity and intended use by the  
30 consumer. For example, a lotion or fluid cream can be packaged in a bottle or a roll-ball applicator or a propellant-driven

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aerosol device or a container fitted with a pump suitable for finger operation. When the composition is a cream, it can simply be stored in a non-deformable bottle or squeeze container, such as a tube or a lidded jar. The invention  
5 accordingly also provides a closed container containing a cosmetically acceptable composition as herein defined.

The following specific examples further illustrate the invention by way of example only, but the invention is not  
10 limited thereto.

#### EXAMPLES

The following methods to evaluate make-up removal capacity  
15 and greasiness were employed in the examples below.

#### Make-up Removal Efficacy Test ("MUR"):

Subjects: 10 subjects, male and female  
20 Test material: Revlon Colorstay Mascara (01 Blackest Black)

Measurements: Minolta CR-10 Chromameter set to the L\*, a\*, b\* color system. Chromameter measures the skin color in three axes L\* a\* b\*.  
25 Visual grading of the amount of color cosmetic in the skin using the following scale:

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0 = None

 $\frac{1}{2}$  = Questionable; trace with spotty coverage

1 = Trace with uniform coverage

5 2 = Slight with uniform coverage

3 = Moderate with uniform coverage

4 = Heavy with uniform coverage

Products: Up to six different products can be tested.

- 10 Six 3.5x2.5 cm sites are selected in the inner forearm. The first readings are taken (CLEAN).

Mascara is applied to the forearm.

- 15 The application is visually graded as 4 (heavy with uniform coverage). Mascara was spread uniformly using spatula for even coverage.

- 20 Mascara is spread on the forearm using the spatula or brush and allowed to dry for 12 minutes. The test product is applied with a precision pipette (approx. 0.5 g).

Twelve minutes after application, the second readings are taken (MAKE-UP).

25

Mascara is removed from each site with a different test product. The test product is applied with a precision pipette to ensure the same quantity of product is applied on each site to remove the mascara.

30

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The make up is removed by the same person using circular motion during 20 seconds, and removed with a tissue.

The final readings are taken (REMOVED).

5

Calculation of product efficacy:

Percent Removed (Chromameter) =

$$10 \quad \frac{\sqrt{[(L_{\text{Makeup}} - L_{\text{Removed}})^2 + (a_{\text{Makeup}} - a_{\text{Removed}})^2 + (b_{\text{Makeup}} - b_{\text{Removed}})^2]}}{\sqrt{[(L_{\text{Makeup}} - L_{\text{Clean}})^2 + (a_{\text{Makeup}} - a_{\text{Clean}})^2 + (b_{\text{Makeup}} - b_{\text{Clean}})^2]}} \times 100$$

15 Percent Removed (Visual) =

$$\frac{(\bar{X}_{\text{Makeup}} - \bar{X}_{\text{Removed}})}{(\bar{X}_{\text{Makeup}} - \bar{X}_{\text{Clean}})} \times 100$$

20 In the examples, chromameter values were used to calculate product efficacy.

Although chromameter values were used, visual grades correlate very well with chromameter.

25 Greasiness evaluation:

Significance level: Alfa 0.05 = 95% Confidence Level.

Subjects: 30 subjects, female, Expert Panel.

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All subjects evaluated the products. Order of presentation was rotated among panellists. The subjects evaluated "final greasiness"

- 5 Final greasiness is evaluated considering the shining of the skin due to the product, and the greasy sensation on the hands after two minutes of application.

Final greasiness was scored from 0 to 10, whereas 0 meant  
10 "not greasy" and 10 meant "very greasy."

MUR Criteria: A formulation was considered as a good Make-up Remover at MUR of at least 70% for mascara, with MUR above 85% considered outstanding.

15

Greasiness Criteria: The criteria for low greasiness was at most 6.5 preferably 6 or below.

In the Examples below, isoparaffins and mineral oil and  
20 waxes were obtained from the following suppliers:

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CHEMICAL NAME	COMMERCIAL NAME	SUPPLIER
Ceresin Wax	Ceresina	Multiceras
Mineral Oil	Aceite mineral 70	Químicos y Derivados / Comisionistas Químicos
Isoparaffin C11-C13	Isopar L	Exxon
Isoparaffin C7-C8	Isopar C	Exxon
Isoparaffin C13-C14	Isopar M	Exxon
Isoparaffin C12-C20	Isopar V	Exxon
Isoparaffin C16	Arlamol HD	Uniquema

## EXAMPLE 1

5

This example evaluated make-up removal capacity ("MUR") and greasiness of make-up removal compositions containing various amounts of mineral oil. None of the compositions contained an isoparaffin, so none were within the scope of the present invention.

10

Compositions A-E were prepared in Table 1B were prepared, each containing ingredients in Table 1A in addition to those listed in Table 1B.

15



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TABLE 1A

Ingredient	%
Beeswax	2.315
Sodium Borate	1.895
Montan Acid Wax	0.780
Behenic Acid	0.780
Cetyl Alcohol	0.465
Fragrance	0.350
Ceteth-20	0.307
Carbomer	0.248
Methylparaben	0.200
Propylparaben	0.100

5 TABLE 1B

	A	B	C	D	E
Water	72.560	62.560	52.560	42.560	36.403
Mineral Oil	20.000	30.000	40.000	50.000	50.000
Ceresin wax	-	-	-	-	6.157
MUR %	47.2	46.4	71.4	79.1	86
Greasiness	5.0	5.9	5.9	6.8	7.5

It can be seen from the results in Table 1B that compositions with less than 50% of mineral oil (compositions A - C) had  
 10 unacceptably low MUR, while compositions with 50% or more mineral oil (D and E) were too greasy.

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## EXAMPLE 1

This example investigated the effect of various ingredients  
5 on MUF and greasiness.

Compositions containing ingredients in Table 2B in addition  
to ingredients of Table 2A were prepared.

10

TABLE 2A

Ingredient	%
Water	62.560
Mineral Oil	20.000
Beeswax	2.315
Sodium Borate	1.895
Montan Acid Wax	0.780
Behenic Acid	0.780
Cetyl Alcohol	0.465
Fragrance	0.350
Ceteth-20	0.307
Carbomer	0.248
Methylparaben	0.200
Propylparaben	0.100

TABLE 2B

	F	G	H	I	J	K
Ingredient	Isoparaffin C11-C13	Cyclotetra- Siloxane	Cyclopenta- siloxane	Polyethylene glycol (600)	Myristyl Myristate	2 Methyl-1, 3-Propanediol
t	10.000	10.000	10.000	10.000	10.000	10.000
MUR	89.3	68.5	57.7	55.8	57.2	33.2
Greasiness	5.0	-	-	-	-	-

5 It can be seen from the results in Table 2B that only  
composition within the scope of the invention containing an  
isoparaffin (F) achieved acceptable MUR and greasiness.  
Compositions G-K, not within the scope of the invention,  
which employed ingredients other than isoparaffin, had  
10 unacceptably low MUR. Composition F had substantially  
improved MUR compared to composition A in Example 1-both  
contained mineral oil at 20%, but composition F additionally  
included an isoparaffin.

### 15 EXAMPLE 3

This example investigated the effect of various chain lengths  
isoparaffins on MUR and greasiness.

20 Compositions were prepared (all within the scope of the  
invention) which contained ingredients as listed in Table 2A  
and in Table 3.

TABLE 3

Ingredient	Isoparaffin C7-C8	Isoparaffin C11-C13	Isoparaffi n C16	Isoparaffin C12-C20
%	10.000	10.000	10.000	10.000
MUR %	83.1	89.3	85.5	71.6
Greasiness	-	5.0	6.1	-

- 5 It can be seen from the results in Table 3 that isoparaffins of various chain lengths were effective, with C11-C16 isoparaffins achieving the best MUR while maintaining low greasiness.

10 EXAMPLE 4

This example investigated the effect of various weight amounts of isoparaffins on MUR and greasiness.

- 15 Compositions were prepared containing ingredients indicated in Table 4B and ingredients listed in Table 4A.

- 20 -

TABLE 4A

Ingredient	%
Water	Up to 100
Mineral Oil	20.000
Beeswax	2.315
Sodium Borate	1.895
Montan Acid Wax	0.780
Behenic Acid	0.780
Cetyl Alcohol	0.465
Fragrance	0.350
Ceteth-20	0.307
Carbomer	0.248
Methylparaben	0.200
Propylparaben	0.100

TABLE 4B

Ingredient	Isoparaffin C11-C13	Isoparaffin C11-C13	Isoparaffin C11-C13	Isoparaffin C16	Isoparaffin C16	Isoparaffin C16
%	7.000	10.000	15.000	3.000	7.500	10.000
MUR %	88.6	89.3	93.3	69.3	85.6	85.5
Greasiness	-	5.0	-	-	-	6.1

5

It can be seen from the results in Table 4B that all the amounts tested were effective and that the efficacy increased at levels above 3%.

## EXAMPLE 5

This example investigated the efficacy and greasiness of  
5 different compositions containing the same isoparaffins.

Compositions were prepared (all within the scope of the  
invention) containing ingredients as indicated in Table 5C.  
Compositions in Table 5C contained ingredients of either  
10 Table 5A or 5B.

TABLE 5A

Ingredient	%
Water	62.560
Mineral Oil	20.000
Beeswax	2.315
Sodium Borate	1.895
Montan Acid Wax	0.780
Behenic Acid	0.780
Cetyl Alcohol	0.465
Fragrance	0.350
Ceteth-20	0.307
Carbomer	0.248
Methylparaben	0.200
Propylparaben	0.100

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TABLE 5B

Ingredient	%
Water	65.231
Mineral Oil	20.000
Cetyl Alcohol	1.000
Ceteth-20	1.000
Cetearyl Alcohol	1.000
Glyceryl Stearate	0.500
Triethanolamine	0.371
Fragrance	0.350
Carbomer	0.248
Methylparaben	0.200
Propylparaben	0.100

5 TABLE 5C

	TABLE 5A Ingredients	TABLE 5B Ingredients	TABLE 5B Ingredients	TABLE 5A Ingredients	TABLE 5B Ingredients
Ingredient	Isoparaffin C11-C13	Isoparaffin C11-C13	Isoparaffin C13-C14	Isoparaffin C16	Isoparaffin C16
%	10.000	10.000	10.000	10.000	10.000
MUR %	87.7	89.3	87.3	84.0	85.5
Greasiness	-	-	5.0	-	6.1

It can be seen from the results in Table 5C that same isoparaffins were effective in either composition 5A or 5B.

## EXAMPLE 6

- 5 The following additional composition within the scope of the invention was prepared.

Ingredient	%
Water	55.531
Mineral Oil	30.000
Isoparaffin C16	7.000
Glycerin	3
Cetyl Alcohol	1.100
Ceteth-20	1.000
Cetearyl Alcohol	0.600
Glyceryl Stearate	0.500
Phenoxyethanol; Methylparaben; Isopropylparaben; Isobutylparaben; Butylparaben	0.400
Triethanolamine	0.371
Carbomer	0.248
Fragrance	0.240
Cucumber extract	0.010

MUR	88.2%
Greasiness	6.5

It should be understood that the specific forms of the  
10 invention herein illustrated and described are intended to be



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representative only. Changes, including but not limited to those suggested in this specification, may be made in the illustrated embodiments without departing from the clear teachings of the disclosure. Accordingly, reference should be

5 made to the following appended claims in determining the full scope of the invention.

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CLAIMS

1. A cosmetic make-up removal composition comprising:
  - (i) less than 50% of a first make-up removing ingredient  
5 selected from waxes, mineral oil and mixtures thereof,
  - (ii) an isoparaffin as a second make-up removing ingredient;  
and
  - (iii) — a cosmetically acceptable vehicle.
- 10 2. The composition of claim 1 wherein the mineral oil is present in an amount of from 10% to 40% by weight of the composition.
3. The composition of claim 1 or claim 2 wherein the  
15 isoparaffin is selected from C7 to C20 isoparaffins.
4. The composition of any of the preceding claims wherein the isoparaffin is present in an amount of at least 3%.
- 20 5. The composition of any of the preceding claims wherein the isoparaffin is present in an amount of from 5 to 40%.
6. A method of removing make-up, the method comprising applying to the skin the composition of any of claims 1-5.

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/09646

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61K7/02

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	EP 1 034 774 A (OREAL) 13 September 2000 (2000-09-13) claims 1-18; example 3	1,3-6
X	EP 0 422 862 A (RICHARDSON VICKS INC) 17 April 1991 (1991-04-17) claims 1-10; example 1	1-6
X	US 5 888 951 A (SIMON PASCAL ET AL) 30 March 1999 (1999-03-30) claims 1-22; example 2	1,3-6

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- \*G\* document member of the same patent family

Date of the actual completion of the international search

30 January 2001

Date of mailing of the international search report

06/02/2001

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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